



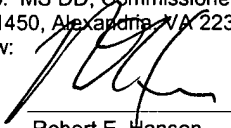
# FULBRIGHT & JAWORSKI L.L.P.

A REGISTERED LIMITED LIABILITY PARTNERSHIP  
600 CONGRESS AVENUE, SUITE 2400  
AUSTIN, TEXAS 78701-3271  
WWW.FULBRIGHT.COM

RHANSON@FULBRIGHT.COM  
DIRECT DIAL: (512) 536-3085

TELEPHONE: (512) 474-5201  
FACSIMILE: (512) 536-4598

November 6, 2003

CERTIFICATE OF MAILING 37 C.F.R. 1.8	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: MS DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date below:	
November 6, 2003	
Date	Robert E. Hanson

**MS DD**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Re: *U.S. Patent Application No. 09/992,556 entitled "INHIBITION OF NF- $\kappa$ B BY TRITERPENE COMPOSITIONS" by Jordan U. Gutterman and Valsala Haridas*  
*Our Reference: CLFR:009US*

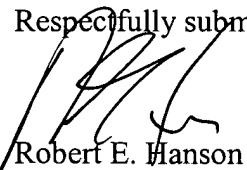
Sir:

Enclosed for filing in the above-referenced patent application is a Supplemental Information Disclosure Statement, Form PTO-1449, and references (A1-A17, B1-B10 and C29-C130).

No fees are believed to be due in connection with the filing of this Supplemental Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CLFR:009US.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,

  
Robert E. Hanson  
Reg. No. 42,628

REH/cas  
Encl.: As noted  
25334136.1



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Jordan U. Gutterman

Valsala Haridas

Serial No.: 09/992,556

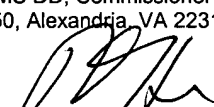
Filed: November 16, 2001

For: INHIBITION OF NF- $\kappa$ B BY  
TRITERPENE COMPOSITIONS

Group Art Unit: 1645

Examiner: Unknown

Atty. Dkt. No.: CLFR:009US

CERTIFICATE OF MAILING 37 C.F.R. 1.8	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: MS DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date below:	
November 6, 2003	
Date	Robert E. Hanson

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

MS DD

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

25284015.1

In accordance with 37 C.F.R §§ 1.97(g), (h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Supplemental Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Supplemental Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CLFR:009US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Robert E. Hanson  
Reg. No. 42,628  
Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P.  
600 Congress Avenue, Suite 2400  
Austin, Texas 78701  
(512) 474-5201

Date: November 6, 2003

Form PTO-1449 (modified)

Atty. Docket No.

CLFR:009US

Serial No.

09/992,556

List of Patents and Publications for Applicant's

Applicant

Jordan U. Gutterman

Valsala Haridas

INFORMATION DISCLOSURE STATEMENT

Filing Date:

November 16, 2001

Group:

1645

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	3,070,623	12/25/62	Gottfried et al.	260	468.5	7/26/58
	A2	3,070,624	12/25/62	Baxendale et al.	260	468.5	3/2/61
	A3	4,146,615	3-27-79	Fauran et al.	424	195	2/19/78
	A4	4,196,265	4/1/80	Koprowski et al.	435	2	8/11/78
	A5	4,376,110	3/8/83	David et al.	436	513	8/4/80
	A6	4,452,901	6/5/84	Gordon et al.	436	506	4/20/81
	A7	4,526,714	7/2/85	Feijen et al.	260	112R	12/13/82
	A8	4,975,369	12/4/90	Beavers et al.	435	69.1	4/21/88
	A9	5,049,388	9/17/91	Knight et al.	424	450	7/21/89
	A10	5,183,756	2/2/93	Schlom	435	240.27	6/18/91
	A11	5,221,605	6/22/93	Bard et al.	435	4	10/30/90
	A12	5,238,808	8/24/93	Bard et al.	435	4	10/24/85
	A13	5,242,813	9/7/93	Pastan et al.	435	70.21	10/12/90
	A14	5,310,687	5/10/94	Bard et al.	436	518	11/4/91
	A15	5,607,915	3/4/97	Patton	514	12	4/25/94
	A16	5,919,770	7/6/99	Hideo et al.	514	26	10/22/97
	A17	6,444,233	9-3-02	Arntzen et al.	424	725	5-19-99

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	WO 99/33463	7-8-99	PCT			
	B2	1346871	2/13/74	U.K.			
	B3	753773	7/22/70	Belgium			

25338844.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

CLFR:009US

09/992,556

List of Patents and Publications for Applicant's

Applicant

Jordan U. Gutterman

Valsala Haridas

INFORMATION DISCLOSURE STATEMENT

Filing Date:

November 16, 2001

Group:

1645

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B4	JP 06073084	3/15/94	Japan			
	B5	WO91/01750	2/21/91	PCT			
	B6	WO96/02555	2/1/96	PCT			
	B7	WO98/18810	5/7/98	PCT			
	B8	WO98/37919	9/3/98	PCT			
	B9	WO98/40100	9/17/98	PCT			
	B10	WO98/52581	11/26/98	PCT			

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C29	Agrawal, "NMR spectroscopy in the structural elucidation of oligosaccharides and glycosides," <i>Phytochemistry</i> , 31:3307-3330, 1992.
	C30	Alessi and Cohen, "Mechanism of activation and function of protein kinase B," <i>Curr. Opin. Gene. Dev.</i> , 8:55-62, 1998.
	C31	Arnon, R. <i>et al.</i> , "Antiviral response elicited by a completely synthetic antigen with built-in adjuvanticity," <i>Proc. Natl. Acad. Sci.</i> 77(11):6769-6772 1980.
	C32	Baxter <i>et al.</i> , "Sapogenin structure: analysis of the <sup>13</sup> C- and <sup>1</sup> H-NMR spectra of soyasapogenol b," <i>J. Nat. Prod.</i> , 53:298-302, 1990.
	C33	Bellacosa <i>et al.</i> , "Molecular alterations of the <i>AKT2</i> oncogene in ovarian and breast carcinomas," <i>Int. J. Cancer</i> , 64:280-285, 1995.
	C34	Beraud <i>et al.</i> , "Involvement of regulatory and catalytic subunits of phosphoinositide 3-kinase in NF-κB activation," <i>Proc. Natl. Acad. Sci. USA</i> , 96:429-434, 1999.
	C35	Berton <i>et al.</i> , "Epidermal proliferation but not the quantity of DNA photodamage is correlated with UV-induced mouse skin carcinogenesis," <i>Invest. Dermatol.</i> , 109:340-347, 1997.

25338844.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

Atty. Docket No.

CLFR:009US

Serial No.

09/992,556

## List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

## Applicant

Jordan U. Gutterman

Valsala Haridas

## Filing Date:

November 16, 2001

## Group:

1645

U.S. Patent Documents

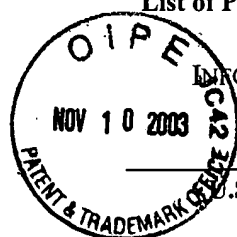
See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1



C36	Brinkmann <i>et al.</i> , "B3(Fv)-PE38KDEL, a single-chain immunotoxin that causes complete regression of a human carcinoma in mice, <i>Proc. Natl. Acad. Sci. USA</i> , 88(19):8616-8620, 1991.
C37	Cantley and Neel, "New insights into tumor suppression: PTEN suppresses tumor formation by restraining the phosphoinositide 3-kinase/AKT pathway," <i>Proc. Natl. Acad. Sci. USA</i> , 96:4240-4245, 1999.
C38	Cha <i>et al.</i> , "Ursolic acid-induced down-regulation of MMP-9 gene is mediated through the nuclear translocation of glucocorticoid receptor in HT1080 human fibrosarcoma cells," <i>Oncogene</i> , 16:771-778, 1998.
C39	Chatterjee <i>et al.</i> , "Ultraviolet B radiation-induced DNA lesions in mouse epidermis," <i>Biochem. Biophys. Res. Commun.</i> , 229:590-595, 1996.
C40	Cheatham <i>et al.</i> , "Structural and functional analysis of pp70 <sup>S6k</sup> ," <i>Proc. Natl. Acad. Sci.</i> , 92:11696-11700, 1995.
C41	Chen and Snyder, "Diosgenin-bearing, molluscicidal saponins from <i>Allium vineale</i> : an NMR approach for the structural assignment of oligosaccharide units," <i>J. Org. Chem.</i> , 54:3679-3689, 1989.
C42	Cho <i>et al.</i> , " <i>Agrobacterium rhizogenes</i> -mediated transformation and regeneration of the legume <i>Astragalus sinicus</i> (Chinese milk vetch)," <i>Plant Science</i> , 138:53-65, 1998.
C43	Chou and Blenis, "The 70kDa S6 kinase complexes with and is activated by the Rho Family G proteins Cdc42 and Rac1," <i>Cell</i> , 85:573-583, 1996.
C44	Christey, "Transgenic crop plants using <i>Agrobacterium rhizogenes</i> -mediated transformation," Doran, P.M., (ed.) <i>Hairy roots: Culture and applications</i> , Harwood, Amsterdam, 99-111, 1997.
C45	Croce, C. M., "How can e prevent cancer, "How can we prevent cancer?" <i>Proc. Acad. Sci. USA</i> , 98:10986-10988, 2001.
C46	Davis <i>et al.</i> , "Regulation of cholesterol synthesis and the potential for its pharmacologic manipulation," <i>Pharmac. Ther.</i> , 43:221-236, 1989.
C47	DeNinno <i>et al.</i> , "Steroidal glycoside cholesterol absorption inhibitors," <i>J. Med. Chem.</i> , 40:2547-2554, 1997.
C48	Downward, "Lipid-regulated kinases: some common themes at last," <i>Science</i> , 279:673-674, 1998.
C49	Enari <i>et al.</i> , "Involvement of an ICE-like protease in Fas-mediated apoptosis," <i>Nature</i> , 375:78-81, 1995.
C50	Felley-Bosco, "Role of nitric oxide in genotoxicity: implication for carcinogenesis," <i>Cancer and Metastasis</i> , 17:25-37, 1998.

25338844.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

CLFR:009US

09/992,556

List of Patents and Publications for Applicant's

Applicant

Jordan U. Gutterman

Valsala Haridas

INFORMATION DISCLOSURE STATEMENT

Filing Date:

November 16, 2001

Group:

1645

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

C51	Frank and Pahl, "Nutraceuticals-Food, dietary supplement or drug?," <i>Biotech. Law Report</i> , 18(2):131-143, 1999.
C52	Frechet <i>et al.</i> , "Four triterpenoid saponins from dried roots of <i>Gypsophila</i> species," <i>Phytochemistry</i> , 30:927-931, 1991.
C53	Fulda, <i>et al.</i> , "Betulinic Acid Triggers CD95 (APO-1/Fas)- and p53-independent Apoptosis via Activation of Caspases in Neuroectodermal Tumors," <i>Cancer Research</i> , 57: 4946-4964, 1997.
C54	Gariboldi <i>et al.</i> , "Saponins from <i>Crossopteryx febrifuga</i> ," <i>Phytochemistry</i> , 29(8):2629-2635, 1990.
C55	Gorman, C., "How to tell the hype from the hope: A special report," <i>Time</i> , pp.37-46, 1998.
C56	Green and Reed, "Mitochondria and Apoptosis," <i>Science</i> , 281:1309-1312.
C57	Gura, T., "Cancer Models: Systems for identifying new drugs are often faulty," <i>Science</i> , 278:1041-1042, 1997.
C58	Hamburger <i>et al.</i> , "Acetylated saponins with molluscicidal activity from <i>Sapindus rarak</i> : unambiguous structure determination by proton nuclear magnetic resonance and quantitative analysis," <i>Phytochem. Anal.</i> , 3:231-237, 1992.
C59	Hanausek <i>et al.</i> , "Avicins, a family of triterpenoid saponins from acacia victoriae (benth), suppress H-ras mutations and aneuploidy in a murine skin carcinogenesis model," <i>Proc. Acad. Sci. USA</i> , 98:11551-1556, 2001.
C60	Haridas <i>et al.</i> , "Avicins activate innate stress response by redox regulation of a gene battery," Manuscript drafted by Harida <i>et al.</i> , pp.1-44, 2003.
C61	Haridas <i>et al.</i> , "Avicins, a family of triterpenoid saponins from acacia victoriae (benth), inhibit activation of nuclear factor- $\kappa$ B by inhibiting both its nuclear localization and ability to bind DNA," <i>Proc. Acad. Sci. USA</i> , 98:11557-11562, 2001.
C62	Haridas <i>et al.</i> , "Avicins: Triterpenoid saponins from acacia victoriae (benth) induce apoptosis by mitochondrial perturbation," <i>Proc. Acad. Sci. USA</i> , 98:5821-5826, 2001.
C63	Harmon <i>et al.</i> , "Activation of mammalian retinoid X receptors by the insect growth regulator methoprene," <i>Proc. Natl. Acad. Sci. USA</i> , 92:6157-6160, 1995.
C64	Harris <i>et al.</i> , "Inhibiting cholesterol absorption with CP-88,818 ( $\beta$ -Tigogenin cellobioside; tiqueside): studies in normal and hyperlipidemic subjects," <i>J. Cardiovascular Pharmacology</i> , 30:55-60, 1997.

25338844.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

CLFR:009US

09/992,556

List of Patents and Publications for Applicant's

Applicant

Jordan U. Gutterman

Valsala Haridas

INFORMATION DISCLOSURE STATEMENT

Filing Date:

November 16, 2001

Group:

1645

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

C65	Harwood <i>et al.</i> , "Pharmacologic consequences of cholesterol absorption inhibition: alteration in cholesterol metabolism and reduction in plasma cholesterol concentration induced by the synthetic saponin $\beta$ -tigogenin cellobioside (CP-88,818; tiqueside), <i>J. Lipid. Res.</i> 34:377-395, 1993.
C66	Hassanain <i>et al.</i> , "Enhanced gel mobility shift assay for DNA-binding factors," <i>Anal. Biochem.</i> , 213:162-167, 1993.
C67	Honda <i>et al.</i> , "New enone derivatives of oleanolic acid and ursolic acid as inhibitors of nitric oxide production in mouse macrophages," <i>Bioorganic Med. Chem. Ltrs.</i> , 7(13):1623-1628, 1997.
C68	Hu and Alfermann, "Diterpenoid production in hairy root cultures of <i>Salvia miltiorrhiza</i> ," <i>Phytochemistry</i> , 32(3):699-703; 1993.
C69	Huang <i>et al.</i> , "Inhibition of skin tumorigenesis by rosemary and its constituents carnosol and ursolic acid," <i>Cancer Research</i> , 54:701-708, 1994.
C70	International Search Report dated September 21, 1999.
C71	Jain, R. K., "Delivery of molecular medicine to solid tumors," <i>Science</i> , 271:1079-1080, 1996.
C72	Jayatilake <i>et al.</i> , "Isolation and structures of avicins D and G: In vitro tumor-inhibitory saponins derived from <i>acacia victoriae</i> ," <i>Jour. Nat. Products</i> , 66:779-783, 2003.
C73	Jiang <i>et al.</i> , "Triterpenoid glycosides from the bark of <i>Mimosa tenuiflora</i> ," <i>Phytochemistry</i> , 30(7):2357-2360, 1991.
C74	Joshi <i>et al.</i> , "Metabolomics of plant saponins: Bioprospecting triperpene glycoside diversity with respect to mammalian cell targets," <i>OMICS, Jour. Integr. Bio.</i> , 6:235-246, 2002.
C75	Jung <i>et al.</i> , "Improvement of the catharanthine productivity in hairy root cultures of <i>Catharanthus roseus</i> by using monosaccharides as a carbon source," <i>Biotech. Lett.</i> , 14(8):695-700; 1992.
C76	Kamel <i>et al.</i> , "Studies on <i>Balanites aegyptiaca</i> fruits, an antidiabetic Egyptian folk medicine," <i>Chem. Pharm. Bull.</i> , 39(5):1229-1233, 1991.
C77	Kennedy <i>et al.</i> , "The PI 3-kinase/Akt signaling pathway delivers an anti-apoptotic signal," <i>Genes and Dev.</i> , 11:701-713, 1997.
C78	Kojima and Ogura, "Configurational studies on hydroxy groups at C-2, 3 and 23 or 24 of oleanene and ursene-type triterpenes by NMR spectroscopy," <i>Phytochemistry</i> , 28:1703-1710, 1989.

25338844.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

CLFR:009US

09/992,556

Office of Patents and Publications for Applicant's

Applicant

Jordan U. Gutterman

Valsala Haridas

INFORMATION DISCLOSURE STATEMENT

Filing Date:

November 16, 2001

Group:

1645

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

C79	Leff, D. N., "Desert-blooming tree secretes agent that stops premalignant malignancies in rodent assays" <i>BioWorld Today</i> , Vol. 12, Pages 1 and 7, 2001.
C80	Lister <i>et al.</i> , <i>Acacia in Australia: Ethnobotany and potential food crop</i> . p. 228-236. In: J. Janick (ed.), <i>Progress in new crops</i> . ASHS Press, Alexandria, VA, 1996.
C81	Lyss <i>et al.</i> , "The anti-inflammatory sesquiterpene lactone helenalin inhibits the transcription factor NF- $\kappa$ B by directly targeting p65," <i>J. Biol. Chem.</i> , 273(50):33508-33516, 1998.
C82	Mangelsdorf <i>et al.</i> , "The nuclear receptor superfamily: The second decade," <i>Cell</i> , 83:835-839, 1995.
C83	Mannick <i>et al.</i> , "Fas-induced caspase denitrosylation," <i>Science</i> , 284:651-654, 1999.
C84	Martin <i>et al.</i> , "Early redistribution of plasma membrane phosphatidylserine is a general feature of apoptosis regardless of the initiating stimulus: inhibition by overexpression of Bcl-2 and Abl," <i>J. Exp. Med.</i> , 182:1545-1556, 1995.
C85	Massiot <i>et al.</i> , "Saponins from aerial parts of alfalfa ( <i>Medicago sativa</i> )," <i>J. Agric. Food Chem.</i> , 39:78-82, 1991b.
C86	Massiot <i>et al.</i> , "Saponins from <i>Tridesmostemon claessenssi</i> ," <i>Phytochemistry</i> , 29:3291-3298, 1990.
C87	Massiot <i>et al.</i> , "Structural elucidation of alfalfa root saponins by mass spectrometry and nuclear magnetic resonance analysis," <i>J. Chem. Soc., Perkin Trans.</i> , 1:3071-3079, 1988.
C88	McManus <i>et al.</i> , "An activator of calcium-dependant potassium channels isolated from a medicinal herb," <i>Biochem.</i> , 32:6128-6133, 1993.
C89	Miller and Marx, "Apoptosis," <i>Science</i> , 281:1301-1302, 1998.
C90	Moore, "Diversity and unity in the nuclear hormone receptors: a terpenoid receptor superfamily," <i>The New Biologist</i> , 2(1):100-105, 1990.
C91	Mujoo <i>et al.</i> , "Adenoviral-mediated p53 tumor suppressor gene therapy of human ovarian carcinoma," <i>Oncogene</i> , 12:1617-1623, 1996.
C92	Mujoo <i>et al.</i> , "Triterpenoid saponins from <i>acacia victoriae</i> (benthams) decrease tumor cell proliferation and induce apoptosis," <i>Cancer Research</i> , 61:5486-5490, 2001.
C93	Nagao <i>et al.</i> , "Studies on the constituents of <i>Aster tataricus</i> L. f. II. Structures of aster saponins isolated from the root," <i>Chem. Pharm. Bull.</i> , 37(8):1977-1983, 1989.
C94	Nelson <i>et al.</i> , "Detection of mutant Ha-ras genes in chemically initiated mouse skin epidermis before the development of benign tumors," <i>Proc. Natl. Acad. Sci. USA</i> , 89(14):6398-6402, 1992.

25338844.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)

Atty. Docket No.

CLFR:009US

Serial No.

09/992,556

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant

Jordan U. Gutterman

Valsala Haridas

Filing Date:

November 16, 2001

Group:

1645

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

C95	Nishino <i>et al.</i> , "The structure of the tetrasaccharide unit of camellidins, saponins, possessing antifungal activity," <i>J. Chem. Soc., Chem. Commun.</i> , 720-723, 1986.
C96	Norman, "Studies on the mechanism of phosphatidylinositol 3-kinase inhibition by wortmannin and related analogs," <i>J. Med. Chem.</i> , 39:1106-1111, 1996.
C97	Ohkawa <i>et al.</i> , "Effects of gibberellic acid on hairy root growth in <i>Datura innoxia</i> ," <i>J. Plant Physiol.</i> , 134:633-636, 1989.
C98	Okabe <i>et al.</i> , "Studies on the constituents of <i>Luffa operculata</i> COGN. II. Isolation and structure elucidation of saponins in the herb," <i>Chem. Pharm. Bull.</i> , 37(4):895-900, 1989.
C99	Okada <i>et al.</i> , "Blockage of chemotactic peptide-induced stimulation of neutrophils by wortmannin as a result of selective inhibition of phosphatidylinositol 3-kinase," <i>J. Bio. Chem.</i> , 269:3563-3567, 1994.
C100	Potterat <i>et al.</i> , "Saponins with an unusual secoursene skeleton from <i>Sesamum alatum</i> THONN <sup>1</sup> ," <i>Helv. Chim. Acta</i> , 75:833-841, 1992.
C101	Prehn, "Regeneration versus neoplastic growth," <i>Carcinogenesis</i> , 18(8):1439-1444, 1997.
C102	Puri <i>et al.</i> , "Solasodine and diosgenin: <sup>1</sup> H and <sup>13</sup> C assignments by two-dimensional NMR spectroscopy," <i>Mag. Res. Chem.</i> , 31:278-282, 1993.
C103	Rhodes, <i>et al.</i> , "Influence of exogenous hormones on the growth and secondary metabolite formation in transformed root cultures," <i>Plant Cell Tissue Organ Culture</i> , 38:143-151, 1994.
C104	Rodriguez <i>et al.</i> , "Holothurinosides: new anti-tumour non sulphated triterpenoid glycosides from the sea cucumber <i>Holothruia forskalii</i> ," <i>Tetrahedron</i> , 47:4753-4762, 1991.
C105	Royal and Park, "Hepatocyte growth factor-induced scatter of Madin-Darby canine kidney cells requires phosphatidylinositol 3-kinase," <i>J. Biol. Chem.</i> 270(46):27780-27787, 1995.
C106	Schöpke <i>et al.</i> , "Bellisaponins BA <sub>1</sub> and BA <sub>2</sub> , acylated saponins from <i>Bellis perennis</i> ," <i>Phytochemistry</i> , 30:627-631, 1991.
C107	Schreiber <i>et al.</i> , "Rapid detection of octamer binding proteins with 'mini-extracts', prepared from a smaller number of cells," <i>Nucleic Acids Res.</i> , 17(15):6419, 1989.
C108	Shao <i>et al.</i> , "Saponins from roots of <i>Kalopanax septemlobus</i> . (THUNB.) KOIDZ., Ciqiu: structures of kalopanaxsaponins C, D, E and F," <i>Chem. Pharm. Bull.</i> , 37(2):311-314, 1989.
C109	Shirazi <i>et al.</i> , "Exposure to ultraviolet B radiation increases the tolerance of mouse skin to daily X-radiation," <i>Rad. Res.</i> , 145:768-775, 1996.
C110	Smith <i>et al.</i> , "Effects of gibberellic acid on hairy root cultures of <i>Artemisia annua</i> : growth and artemisinin production," <i>In Vitro Cell Dev. Biol.</i> , 33:75-79, 1997.

25338844.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)

Atty. Docket No.

CLFR:009US

Serial No.

09/992,556

List of Patents and Publications for Applicant's

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant

Jordan U. Gutterman

Valsala Haridas

Filing Date:

November 16, 2001

Group:

1645

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

C111	Spady <i>et al.</i> , "Regulation of plasma LDL-cholesterol levels by dietary cholesterol and fatty acids" <i>Annu. Rev. Nutr.</i> , 13:355-381, 1993.
C112	Tabas <i>et al.</i> , "Rabbit and human liver contain a novel pentacyclic triterpene ester with acyl-CoA: cholesterol acyltransferase inhibitory activity," <i>J. Biological Chem.</i> , 265(14):8042-8051, 1990.
C113	Takema <i>et al.</i> , "Unusual wrinkle formation after temporary skin fixation followed by UVB irradiation in hairless mouse skin," <i>Exp. Dermatol.</i> , 5:145-149, 1996.
C114	Tewari <i>et al.</i> , "Yama/CPP32 $\beta$ , a mammalian homolog of CED-3, is a CrmA-inhibitable protease that cleaves the death substrate poly (ADP-ribose) polymerase," <i>Cell</i> , 81:801, 1995.
C115	Thornberry and Lazebnik, "Caspases: Enemies Within," <i>Science</i> , 281:1312-1316, 1998.
C116	Vitamin USA, <a href="http://www.vitaminusa.com/00-3384-04111.html">www.vitaminusa.com/00-3384-04111.html</a> . Print-out of web page only.
C117	Vlahos <i>et al.</i> , "A specific inhibitor of phosphatidylinositol 3-kinase, 2-(4-morpholinyl)-8-phenyl-4H-1-benzopyran-4-one (LY294002)," <i>J. Bio. Chem.</i> , 269(7):5241-5248, 1994.
C118	Weng <i>et al.</i> , "Phosphatidylinositol 3-kinase signals activation of p70 S6 kinase <i>in situ</i> through site-specific p70 phosphorylation," <i>Proc. Natl. Acad. Sci.</i> , 92:5744-5748, 1995.
C119	Willy and Mangelsdorf, "Nuclear orphan receptors: The search for novel ligands and signaling pathways," <i>Hormones and Signaling</i> , 1:307-358, 1998.
C120	Wink <i>et al.</i> , "The multifaceted roles of nitric oxide in cancer," <i>Carcinogenesis</i> , 19(5):711-721, 1998.
C121	<a href="http://www.enrich.com/us/library_pub/technicalinfoseries/nutrientprofil.../black_chohosh.html">www.enrich.com/us/library_pub/technicalinfoseries/nutrientprofil.../black_chohosh.html</a> . Print out of web page only.
C122	Wysokinska and Chmiel, "Transformed root cultures for biotechnology," <i>Acta Biotechnol.</i> , 17(2):131-159; 1997.
C123	Xie <i>et al.</i> , "Role of transcription factor NF- $\kappa$ B/Rel in induction of nitric oxide synthase," <i>J. Biol. Chem.</i> , 269(7):4705-4708, 1994.
C124	Youn <i>et al.</i> , "Photoprotective effect of calcipotriol upon skin photoreaction to UVA and UVB," <i>Photodermatol Photoimmunol. Photomed.</i> , 13:109-114, 1997.
C125	Zobel <i>et al.</i> , "Steady-State Control And Investigation Of Root System Morphology," in: Torrey and Winship, (eds.) <i>Applications Of Continuous And Steady-State Methods To Root Biology</i> , Kluwer, Amsterdam, 165-182, 1989.
C126	U.S. Patent application No. 09/992,837, filed November 16, 2001, copy of the Preliminary Amendment.

25338844.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

CLFR:009US

09/992,556

List of Patents and Publications for Applicant's

Applicant

Jordan U. Gutterman

Valsala Haridas

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

November 16, 2001

Group:

1645

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

C127	U.S. Patent application No. 09/999,495, filed November 30, 2001, copy of the Preliminary Amendment.
C128	U.S. Patent application No. 10/000,720, filed November 30, 2001, copy of the Preliminary Amendment.
C129	U.S. Patent application No. 10/238,647, filed September 9, 2002, copy of the Preliminary Amendment.
C130	Database Embase, accession No. 1999004588; Lyss et al., "the anti-inflammatory sesquiterpene lactone helenalin inhibits the transcription factor NF-kappa. B by directly targeting p65," Abstract, <i>Journal of Biochem.</i> , 1998.

25338844.1

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)